

2/9/1 DIALOG(R)File 351:Derwent WPI (c) 2003 Thomson Derwent. All rts. reserv.

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**Fatigue degree determining apparatus of human body, compares currently measured and reference values of biomedical impedance stored in memory**

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Inventor: FUKUDA Y

Number of Countries: 030    Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010007055	A1	20010705	US 2001753453	A	20010104	200146 B
EP 1114610	A1	20010711	EP 2001100033	A	20010105	200147
JP 2001187036	A	20010710	JP 2000383	A	20000105	200154
CN 1302587	A	20010711	CN 2001101253	A	20010105	200159
KR 2001070420	A	20010725	KR 2001540	A	20010105	200206
US 6516222	B2	20030204	US 2001753453	A	20010104	200313

Priority Applications (No Type Date): JP 2000383 A 20000105

Patent Details:

Patent No	Kind	Ian Pg	Main IPC	Filing Notes
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US 20010007055	A1	24	A61B-005/00	
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EP 1114610	A1 E		A61B-005/05	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI TR

JP 2001187036	A	12	A61B-005/05	
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CN 1302587	A		A61B-005/053	
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KR 2001070420	A		A61B-005/053	
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US 6516222	B2		A61B-005/05	
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Abstract (Basic): US 20010007055 A1

NOVELTY - Electrodes (16-20) are contacted with body of person under test and measurement current is fed through electrodes (16,17). Arithmetic unit calculates bioelectrical impedance based on voltage difference between electrodes (19,20). Degree of fatigue of person is determined by comparing currently measured and reference values of bioelectrical impedance stored in memory. LCD (4) indicates fatigue degree of person.

USE - For determining degree of fatigue such as swelling in legs, calf of person under test.

ADVANTAGE - Degree of fatigue of person is determined simply by comparing currently measured and previously measured bioelectric impedance.

DESCRIPTION OF DRAWING(S) - The figure shows the external overview illustrating apparatus for determining degree of fatigue of human body.

LCD display (4)

Electrodes (16-20)

pp; 24 DwgNo 5/13

Title Terms: FATIGUE; DEGREE; DETERMINE; APPARATUS; HUMAN; BODY; COMPARE;  
CURRENT; MEASURE; REFERENCE; VALUE; BIOMEDICAL; IMPEDANCE; STORAGE;  
MEMORY

Derwent Class: P31; S01; S03; S05; T01

International Patent Class (Main): A61B-005/00; A61B-005/05; A61B-005/053

International Patent Class (Additional): G01R-027/02

File Segment: EPI; EngPI

Manual Codes (EPI/S-X): S01-D05B; S03-E02D; S05-D01D1; T01-C04B; T01-E02D;  
T01-J06A

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